

CONTROL CIRCUIT FOR ELECTRIC APPARATUS

Patent number: JP63117656
Publication date: 1988-05-21
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Classification:
- International: H02M1/00; G05F1/10; H02M7/155
- european:
Application number: JP19860263411 19861105
Priority number(s):

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PURPOSE: To prevent the temperature from abnormally rising by dividing the voltage of a commercial power source by a capacitor in a control circuit for an electric apparatus, thereby reducing heat generation.

CONSTITUTION: A control circuit for an electric apparatus is composed of first, second power supplies 18, 21 for supplying a commercial power source 17, a power source smoothing unit 24, a detection switch 28 for detecting ON/OFF of a power switch 27, a power control element 30 for controlling the energization of a heater load 29, a control unit 31, and a drive circuit 33 of a display 32. In this case, the power supply 18 is composed of a capacitor 19 and a rectifying diode 20, and the power supply 21 is composed of a rectifying diode 22 and a resistor 23 to supply power to the smoothing unit 24 through the display 32. Thus, since the supply 18 is divided by the capacitor 19, its heat generation is reduced. Since a current for lighting the display 32 is supplied through the smoothing unit 24 to the unit 31, the current can be effectively utilized.

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